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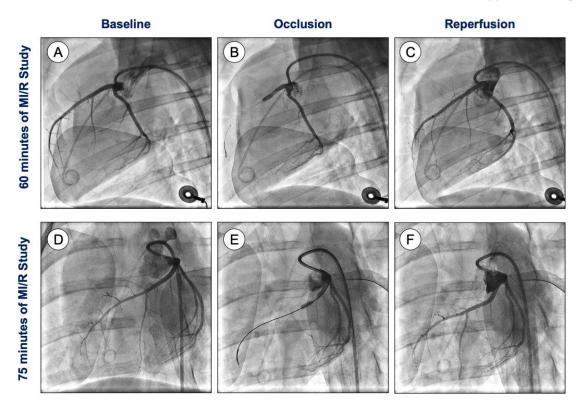
1

Supplemental Figure 1. Representative Coronary Angiography.

- 4 Representative still images of coronary angiography in the left anterior oblique position at
- an angle between 30-40°. Angiography was recorded in the 60-minute occlusion study
- 6 (A-C) and the 75-minute occlusion study (D-F) at baseline (A, D), during occlusion (B, E),
- 7 and after reperfusion (C, F).

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Supplemental Figure 1



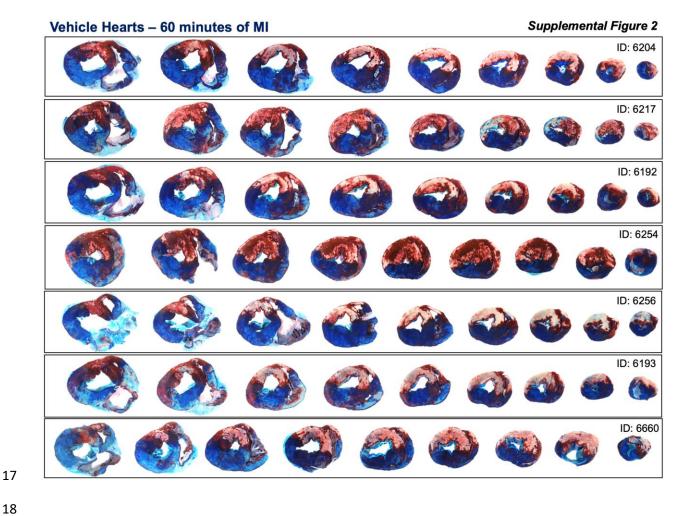
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- 11 Supplemental Figure 2. Photomicrographs of vehicle-treated hearts in the 60-
- 12 minute Study.

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- Photomicrographs of the basal aspect cross-sectional heart slices analyzed for the infarct
- (white area), area-at-risk (white + red) and total left ventricular myocardial tissue (white +
- red + blue) in vehicle-treated animals in the 60-minute study. The base (right) through to
- the apex (left) are shown for each animal (n=7).



21 Supplemental Figure 3. Photomicrographs of HNG-treated hearts in the 60-minute

22 **Study**.

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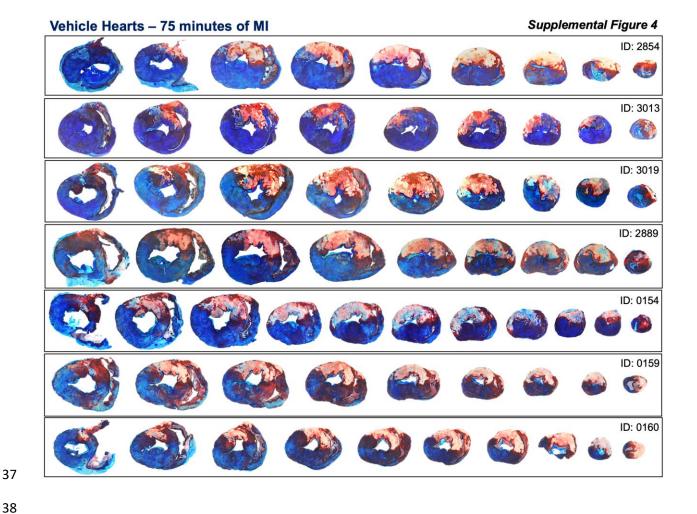
23 Photomicrographs of the basal aspect cross-sectional heart slices analyzed for the infarct 24 (white area), area-at-risk (white + red) and total left ventricular myocardial tissue (white + 25 red + blue) in HNG-treated animals in the 60-minute study. The base (right) through to

the apex (left) are shown for each animal (n=7).

- 31 Supplemental Figure 4. Photomicrographs of vehicle-treated hearts in the 75-
- 32 **minute Study**.

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- 33 Representative photomicrographs of the basal aspect of cross-sectional heart slices
- analyzed for the infarct (white area), area-at-risk (white + red) and total left ventricular
- myocardial tissue (white + red + blue) in vehicle-treated animals in the 75-minute study.
- The base (right) through to the apex (left) are shown for each animal (n=7).



- Supplemental Figure 5. Photomicrographs of HNG-treated hearts in the 75-minute
- 42 **Study**.

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- Representative photomicrographs of the basal aspect of cross-sectional heart slices
- analyzed for the infarct (white area), area-at-risk (white + red) and total left ventricular
- myocardial tissue (white + red + blue) in HNG-treated animals in the 75-minute study.
- The base (right) through to the apex (left) are shown for each animal (n=7).

HNG (2.0mg/kg) Hearts - 75 minutes of MI

| Discription |